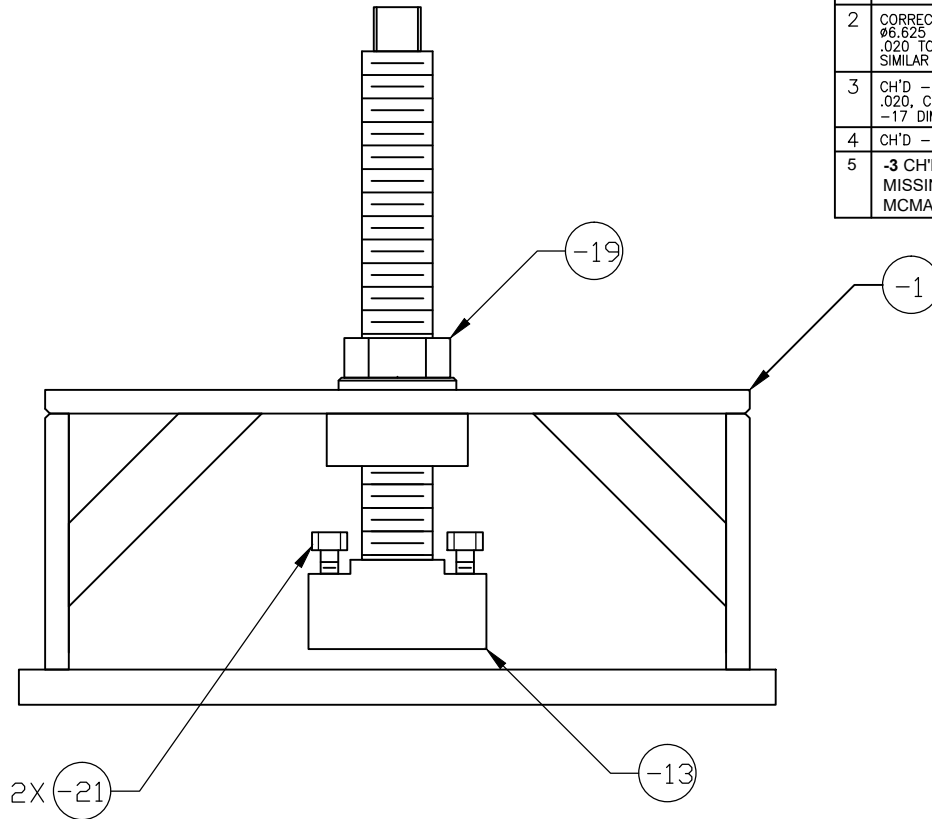


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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	ADDED MISSING DIM. 1.000 -17, CH'D -5 LENGTH IN BOM TO 7-3/4. CH'D THICKNESS -3 FROM .250 TO (.375) & CH'D BOM THICKNESS FROM 1/2 TO 3/8. ADDED 4 EA. #1/8 x 1/4 ROLL PINS -23. CH'D OVERALL HEIGHT -1 FROM 3.020 TO 3.165 +1/32-1/8. ADDED .125 HOLES FOR ROLL PINS ON -3, -5, -7. ADDED FIT TO -11 FOR WELDING TO Ø1.500 COUNTERBORE. CH'D WELD AT -3 & -7. ALL CHANGES PER S.E., G.E.	1/13/11	RJC	RW
2	CORRECTED -3 Ø.210 HOLE LOCATIONS, CH'D O.D. FROM Ø8.040 TO Ø8.00, CH'D I.D. FROM Ø6.625 TO Ø6.630, CH'D LOCATION OF AFT & FWD TEXT PER S.E. ADDED FLATNESS TOLERANCE .020 TO -1 PER G.E. CORRECTED -5 ENGRAVE NOTE. MOVED DOWEL PIN HOLES TO MATCH SIMILAR MANUFACTURED PART PER G.E.	3/11/11	RJC	SE
3	CH'D -23 FROM STEEL, ASSEMBLED OVERALL HEIGHT -1 CH'D FROM 3.165 & FLATNESS FROM .020, CH'D -3, -5, -7, -15 DIMENSIONS TO MEET FACTORY PART, CH'D -11 DESIGN, CH'D -17 DIMENSION BETWEEN HOLES FROM 1.440 PER S.E.	12/13/11	RJC	SE
4	CH'D -1 FLATNESS TOLERANCE FROM .003 TO .010 PER G.E.	3/1/12	RJC	GE
5	-3 CH'D TOLERANCE ON DIM WAS Ø6.630 IS Ø6.630 +.003 -.000. -11 ADDED MISSING DIM .03 X 45°. -19 CH'D B/O INFO WAS MCMMASTER-CARR #90499A640 IS MCMMASTER-CARR #94895A840.	4/28/14	DPD	GE

ASSY QTY	ASSY QTY	B/O	PART #	UNIT QTY	DESCRIPTION	MATERIAL	B/O INFORMATION OR SPECIFICATIONS	Pg.
			-1	1	WELDMENT			2
	1		-3		BASE	1018	3/8 x 8-1/4 x 8-1/4	3
	1		-5		PLATE	1018	1/4 x 2 x 7-5/8	4
	2		-7		LEG	1018	1/4 x 2 x 2-7/8	5
	2		-9		GUSSET	1018	1/4 x 5/8 x 3	6
	1		-11		BUSHING	1018	Ø1-1/2 x 1-1/16	7
			-13	1	WELDMENT			8
	1		-15		BOLT	ALL THREAD	3/4-16 UNF x 7-1/16	9
	1		-17		HEAD	1018	1 x 1-1/4 x 2	10
		B/O	-19	1	HEX NUT	STEEL	3/4-16 UNF MCMMASTER-CARR #94895A840	1
		B/O	-21	2	HEX HEAD CAP SCREW	STEEL	10-32 UNF x 5/8 AIRCRAFT SPRUCE #AN3-5A	1
		B/O	-23	8	ROLL PIN	S.S.	Ø1/8 x 1/4 MCMMASTER-CARR #92373A173	1

ASSY QTY -13

NOTE:

TOOL PART OF KIT RBW6305G01331-3G.

RED BARN MACHINE

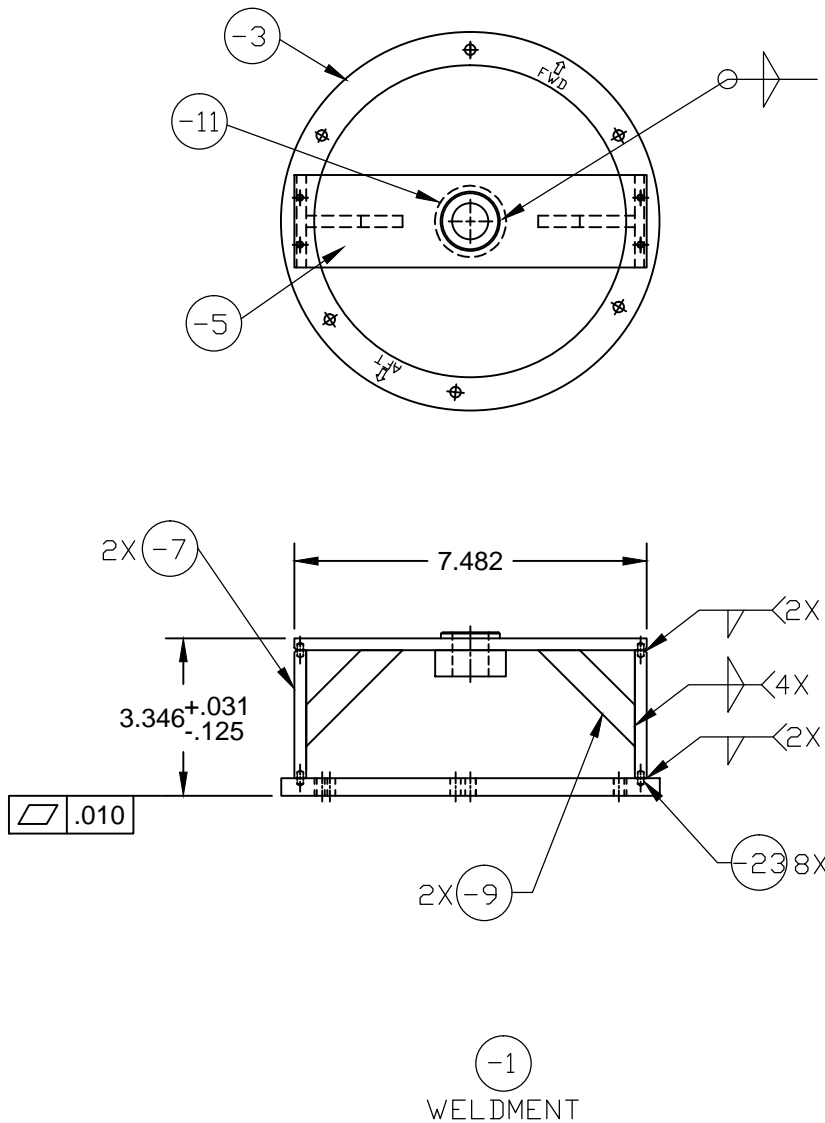
TITLE REACTION. CLUTCH IN RACE REMOVAL

DWG NO. RBW6305G03031-3G REV 5

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		DRAWN BY: CLOUGH	
TOLERANCES ON:		APPROVED <i>D Weil</i>	
DECIMALS		HEAT	
.XXX ± .005	FRACTIONS ± 1/32	TREAT	
.XX ± .01	ANGLES ± 5°	FINISH	
.X ± .1		SPEC	
UNLESS OTHERWISE SPECIFIED		USED ON MODEL	
1. BREAK ALL SHARP EDGES		AW139	
.015 x 45° PR. 015 R			
2. DIMENSIONAL LIMITS APPLY AFTER PLATING			
SCALE	1:2	DATE	3-30-10
		SHEET	1 of 10

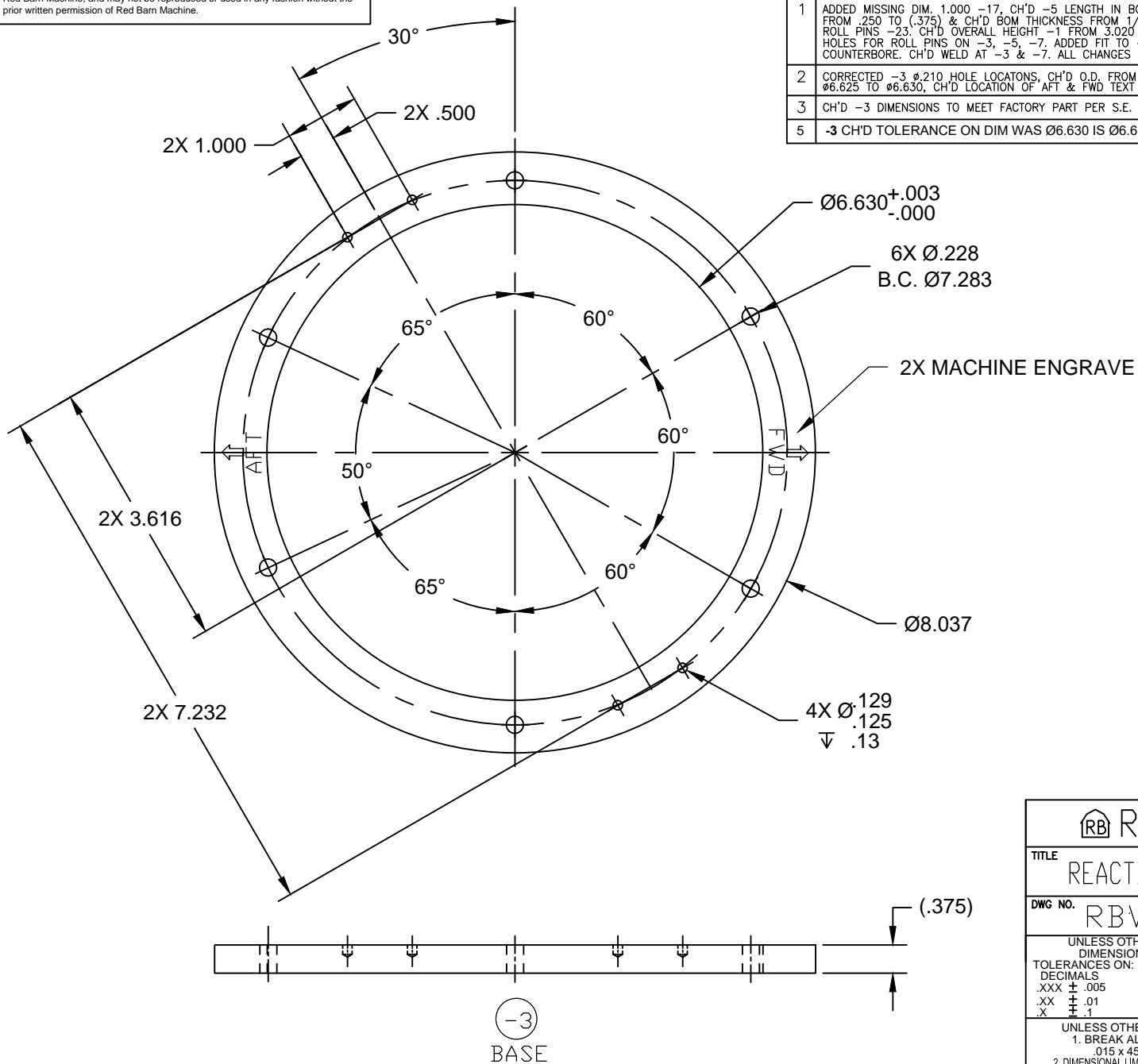
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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	ADDED MISSING DIM. 1.000 -17, CH'D -5 LENGTH IN BOM TO 7-3/4. CH'D THICKNESS -3 FROM .250 TO (.375) & CH'D BOM THICKNESS FROM 1/2 TO 3/8, ADDED 4 EA. #1/8 x 1/4 ROLL PINS -23. CH'D OVERALL HEIGHT -1 FROM 3.020 TO 3.165 +1/32-1/8, ADDED .125 HOLES FOR ROLL PINS ON -3, -5, -7. ADDED FIT TO -11 FOR WELDING TO #1.500 COUNTERBORE. CH'D WELD AT -3 & -7. ALL CHANGES PER S.E., G.E.	1/13/11	RJC	RW
2	ADDED FLATNESS TOLERANCE .020 TO -1 PER G.E.	3/11/11	RJC	SE
3	ASSEMBLED OVERALL HEIGHT -1 CH'D FROM 3.165 & FLATNESS FROM .020 PER S.E.	12/13/11	RJC	SE
4	CH'D -1 FLATNESS TOLERANCE FROM .003 TO .010 PER G.E.	3/1/12	RJC	GE





RED BARN MACHINE	
TITLE REACTION. CLUTCH IN RACE REMOVAL	
DWG NO. RBW6305G03031-3G-1	REV 5
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	
FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR. 015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: CLOUGH APPROVED: <i>D. Weil</i> HEAT TREAT: FINISH: CAD PLATE YELLOW SPEC: QQ-P-416F, TYPE II CLASS II USED ON MODEL: AW139	
SCALE 1:3	DATE 3-30-10
SHEET 2 of 10	

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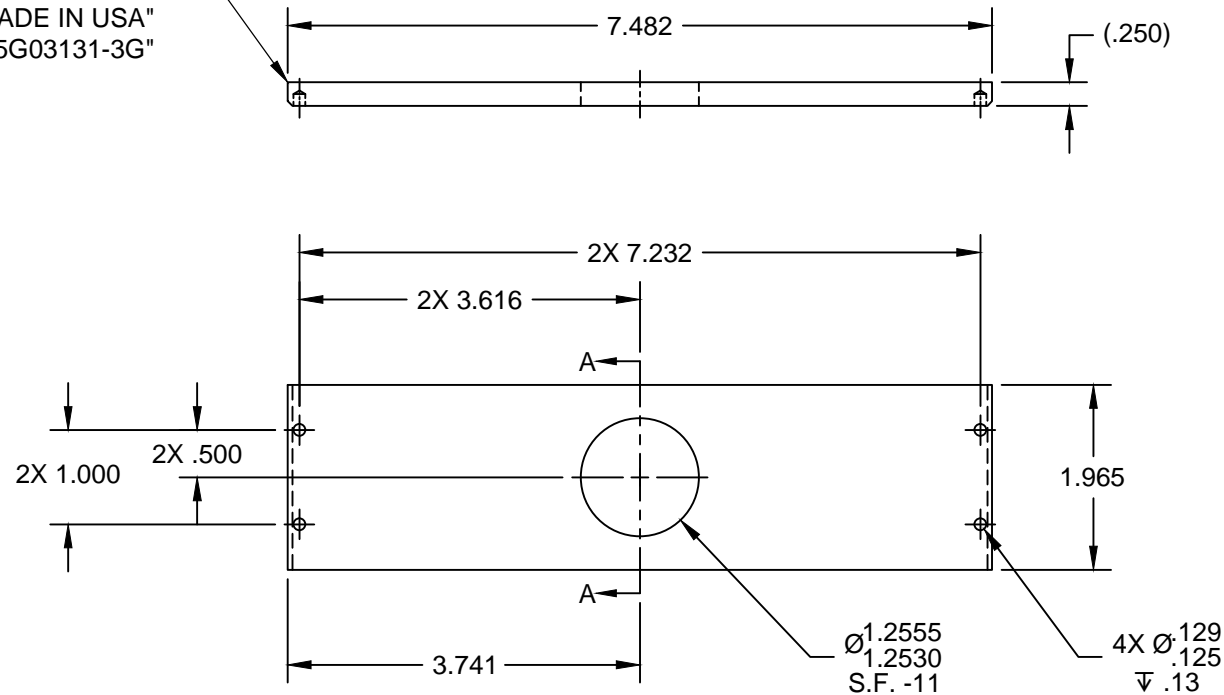
REVISIONS					
REV	DESCRIPTION	DATE	INITIAL	APPROVED	
1	ADDED MISSING DIM. 1.000 -17, CH'D -5 LENGTH IN BOM TO 7-3/4. CH'D THICKNESS -3 FROM .250 TO (.375) & CH'D BOM THICKNESS FROM 1/2 TO 3/8, ADDED 4 EA. Ø1/8 x 1/4 ROLL PINS -23. CH'D OVERALL HEIGHT -1 FROM 3.020 TO 3.165 +1/32-1/8, ADDED Ø.125 HOLES FOR ROLL PINS ON -3, -5, -7. ADDED FIT TO -11 FOR WELDING TO Ø1.500 COUNTERBORE. CH'D WELD AT -3 & -7. ALL CHANGES PER S.E., G.E.	1/13/11	RJC	RW	
2	CORRECTED -3 Ø.210 HOLE LOCATIONS, CH'D O.D. FROM Ø8.040 TO Ø8.00, CH'D I.D. FROM Ø6.625 TO Ø6.630, CH'D LOCATION OF AFT & FWD TEXT PER S.E.	3/11/11	RJC	SE	
3	CH'D -3 DIMENSIONS TO MEET FACTORY PART PER S.E.	12/13/11	RJC	SE	
5	-3 CH'D TOLERANCE ON DIM WAS Ø6.630 IS Ø6.630 +.003 -.000.	4/28/14	DPD	GE	

 RED BARN MACHINE	
TITLE REACTION, CLUTCH IN RACE REMOVAL	
DWG NO. RBW6305G03031-3G-3	REV 5
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 X ± .1 FRACTIONS ± 1/32 ANGLES ± 5°	DRAWN BY: CLOUGH APPROVED  HEAT TREAT FINISH SEE -1 WELDMENT SPEC
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	USED ON MODEL AW139
SCALE 1:2	DATE 3-30-10
SHEET 3 of 10	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
1	ADDED MISSING DIM. 1.000 -17, CH'D -5 LENGTH IN BOM TO 7-3/4. CH'D THICKNESS -3 FROM .250 TO (.375) & CH'D BOM THICKNESS FROM 1/2 TO 3/8. ADDED 4 EA. #1/8 x 1/4 ROLL PINS -23. CH'D OVERALL HEIGHT -1 FROM 3.020 TO 3.165 +1/32-1/8. ADDED .125 HOLES FOR ROLL PINS ON -3, -5, -7. ADDED FIT TO -11 FOR WELDING TO #1.500 COUNTERBORE. CH'D WELD AT -3 & -7. ALL CHANGES PER S.E., G.E.	1/13/11	RJC
2	CORRECTED -5 ENGRAVE NOTE. MOVED DOWEL PIN HOLES TO MATCH SIMILAR MANUFACTURED PART PER G.E.	3/11/11	RJC
3	CH'D -5 DIMENSIONS TO MEET FACTORY PART PER S.E.	12/13/11	RJC

ENGRAVE T/N
"RBW6305G03031-3G"
S/N, "MADE IN USA"
"RBW6305G03131-3G"

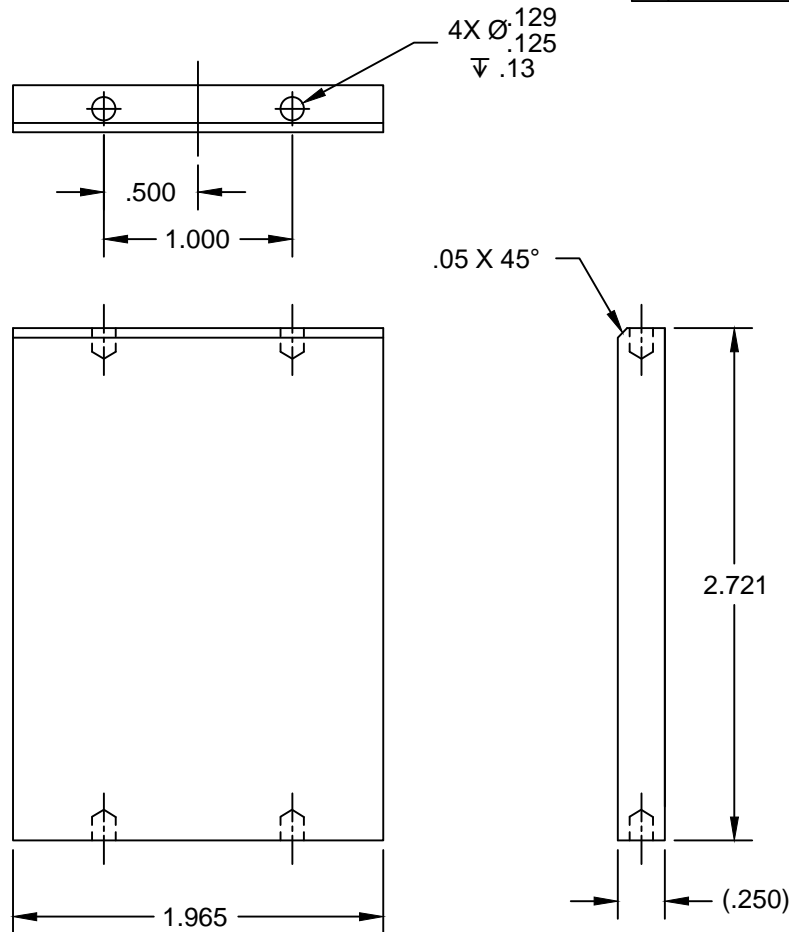


SECTION A-A

-5
PLATE

RED BARN MACHINE	
TITLE REACTION. CLUTCH IN RACE REMOVAL	
DWG NO. RBW6305G03031-3G-5	REV 5
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS .XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± .5°
.X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR. 015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:2	DATE 3-30-10
SHEET 4 of 10	

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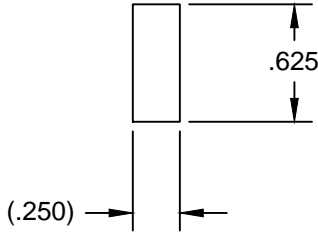
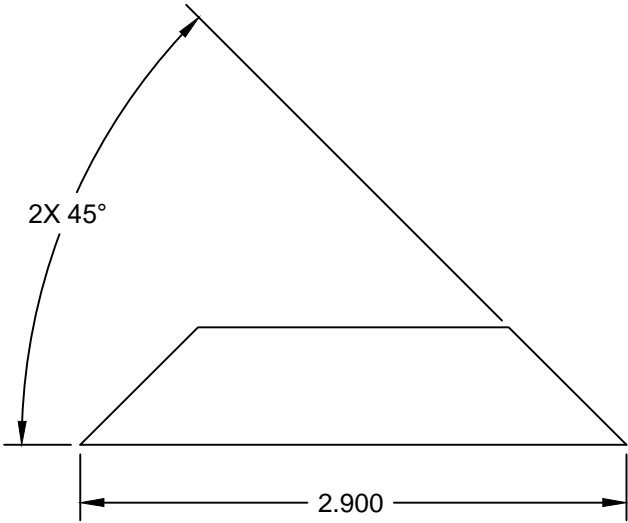
-7
LEG

REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
1	ADDED MISSING DIM. 1.000 -17, CH'D -5 LENGTH IN BOM TO 7-3/4. CH'D THICKNESS -3 FROM .250 TO (.375) & CH'D BOM THICKNESS FROM 1/2 TO 3/8, ADDED 4 EA. Ø1/8 x 1/4 ROLL PINS -23. CH'D OVERALL HEIGHT -1 FROM 3.020 TO 3.165 +1/32-1/8, ADDED Ø.125 HOLES FOR ROLL PINS ON -3, -5, -7. ADDED FIT TO -11 FOR WELDING TO Ø1.500 COUNTERBORE. CH'D WELD AT -3 & -7. ALL CHANGES PER S.E., G.E.	1/13/11	RJC	RW
3	CH'D -7 DIMENSIONS TO MEET FACTORY PART PER S.E.	12/13/11	RJC	SE

RED BARN MACHINE	
TITLE REACTION. CLUTCH IN RACE REMOVAL	
DWG NO. RBW6305G03031-3G-7	REV 5
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	DRAWN BY: CLOUGH
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	APPROVED <i>D Weil</i>
FRACTIONS ± 1/32 ANGLES ± 5°	HEAT TREAT FINISH SEE -1 WELDMENT
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR. 015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	SPEC
SCALE 1:1	USED ON MODEL AW139
DATE 3-30-10	SHEET 5 of 10

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED

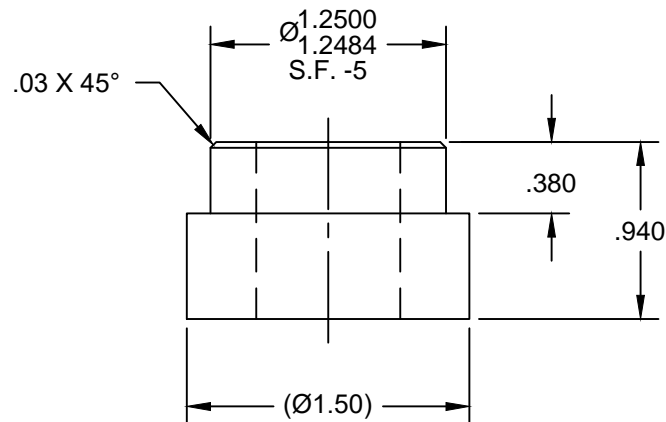
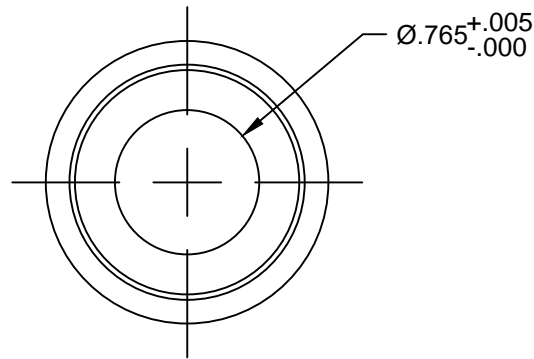


-9
GUSSET

RED BARN MACHINE			
TITLE REACTION. CLUTCH IN RACE REMOVAL			
DWG NO. RBW6305G03031-3G-9			REV 5
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± .5°		DRAWN BY: CLOUGH	
		APPROVED <i>D Weil</i>	
		HEAT TREAT FINISH SEE -1 WELDMENT	
		SPEC	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		USED ON MODEL AW139	
		SCALE 1:1	DATE 3-30-10 SHEET 6 of 10

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
3	CH'D -11 DESIGN PER D.W.	12/13/11	RJC	SE
5	-11 ADDED MISSING DIM .03 X 45°.	4/28/14	DPD	GE

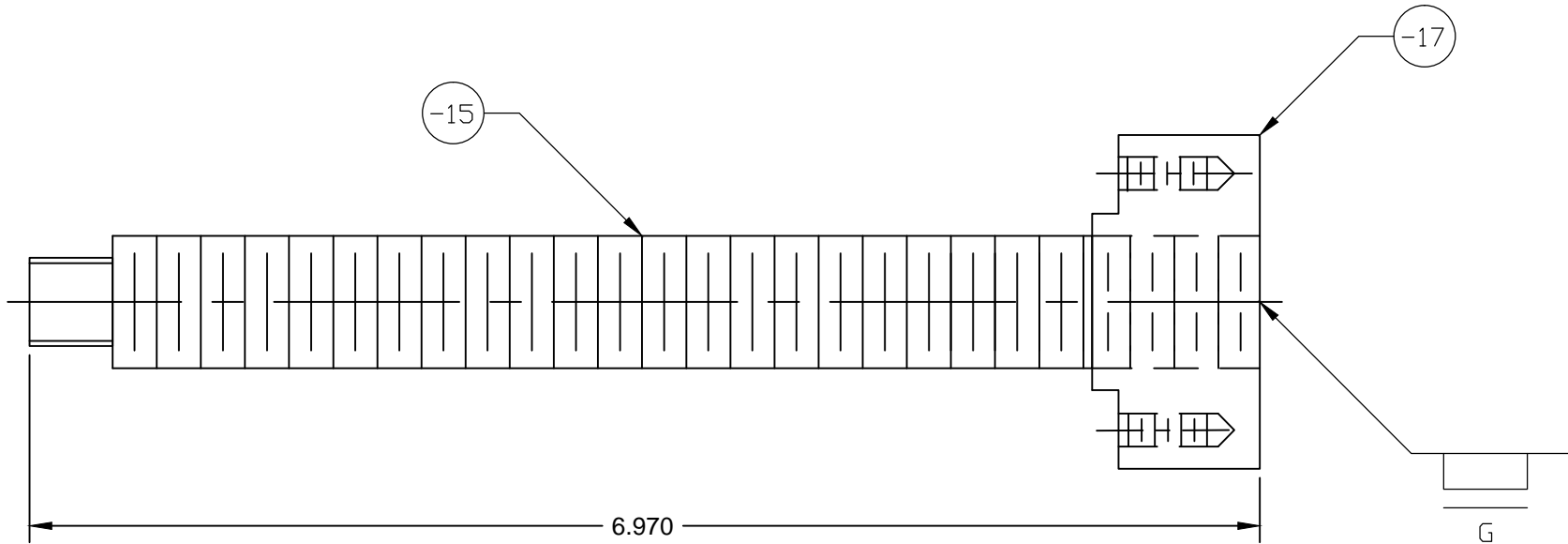


(-11)
BUSHING

RED BARN MACHINE	
TITLE REACTION. CLUTCH IN RACE REMOVAL	
DWG NO. RBW6305G03031-3G-11	REV 5
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	
.XXX ± .005	FRACTIONS ± 1/32
.XX ± .01	ANGLES ± 5°
.X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 X 45° PR. 015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:1	DATE 3-30-10
SHEET 7 of 10	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED

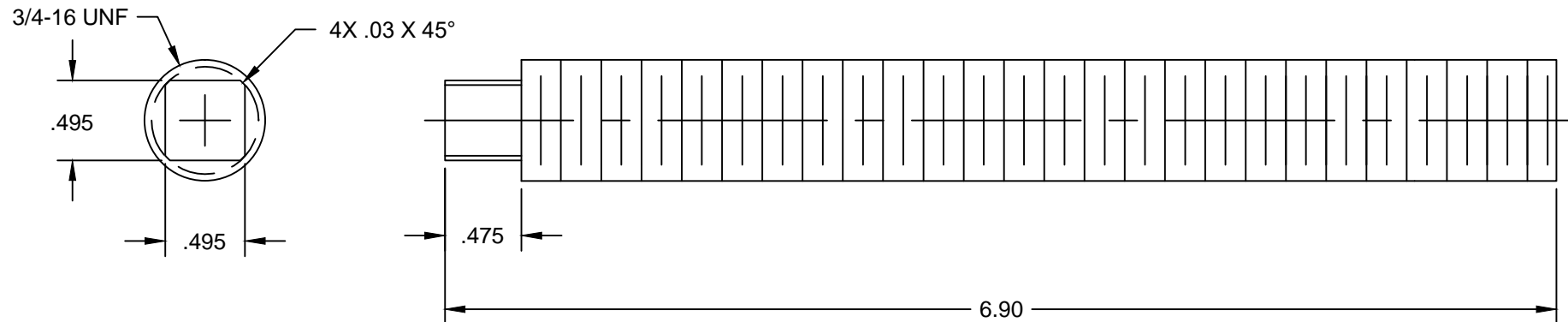


-13
WELDMENT

RED BARN MACHINE			
TITLE REACTION. CLUTCH IN RACE REMOVAL			
DWG NO. RBW6305G03031-3G-13			REV 5
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1 FRACTIONS ± 1/32 ANGLES ± 5° UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING		DRAWN BY: CLOUGH	
		APPROVED <i>D Weil</i>	
		HEAT TREAT FINISH CAD PLATE YELLOW	
		SPEC QQ-P-416F, TYPE II CLASS II	
SCALE 1:1		DATE 3-30-10	
SHEET 8 of 10		USED ON MODEL AW139	

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REVISIONS				
REV	DESCRIPTION	DATE	INITIAL	APPROVED
3	CH'D -15 DIMENSIONS TO MEET FACTORY PART PER S.E.	12/13/11	RJC	SE

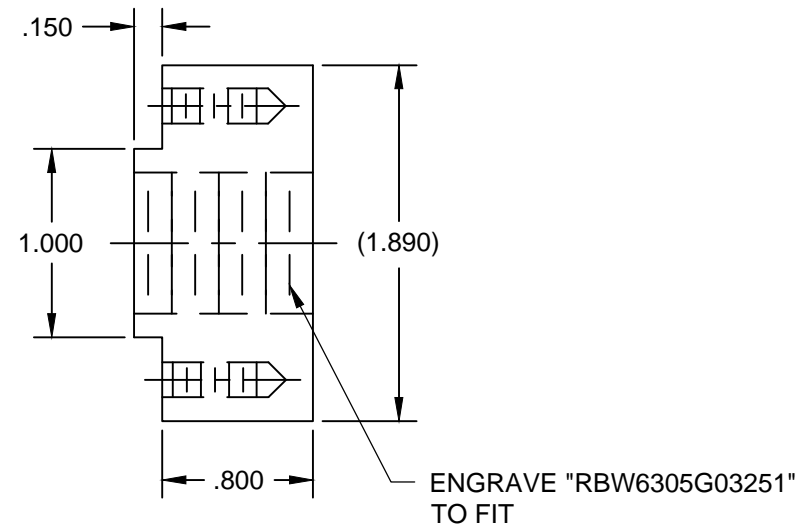
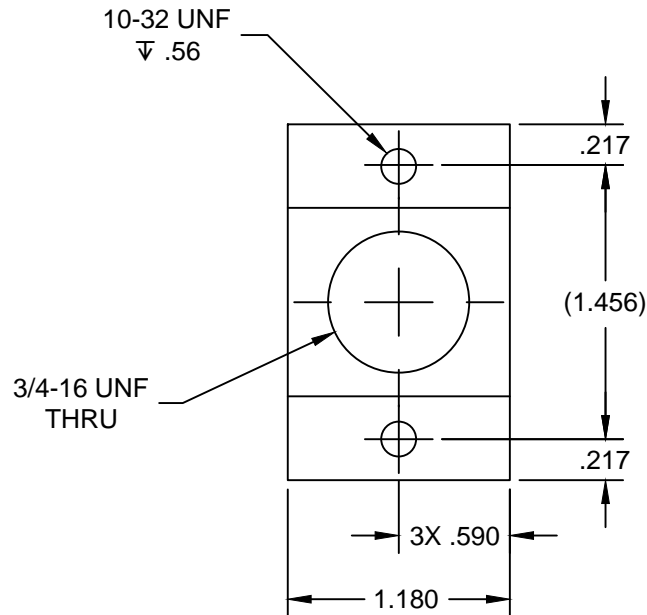


-15
BOLT

RB RED BARN MACHINE	
TITLE REACTION. CLUTCH IN RACE REMOVAL	
DWG NO. RBW6305G03031-3G-15	REV 5
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON: DECIMALS .XXX ± .005 .XX ± .01 .X ± .1	
FRACTIONS ± 1/32 ANGLES ± 5°	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR .015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
DRAWN BY: CLOUGH	
APPROVED <i>D Weil</i>	
HEAT TREAT FINISH SEE -13 WELDMENT	
SPEC	
USED ON MODEL AW139	
SCALE 1:1	DATE 3-30-10
SHEET 9 of 10	

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REVISIONS			
REV	DESCRIPTION	DATE	INITIAL
1	ADDED MISSING DIM. 1.000 -17, CH'D -5 LENGTH IN BOM TO 7-3/4. CH'D THICKNESS -3 FROM .250 TO (.375) & CH'D BOM THICKNESS FROM 1/2 TO 3/8. ADDED 4 EA. #1/8 x 1/4 ROLL PINS -23. CH'D OVERALL HEIGHT -1 FROM 3.020 TO 3.165 +1/32-1/8. ADDED .125 HOLES FOR ROLL PINS ON -3, -5, -7. ADDED FIT TO -11 FOR WELDING TO #1.500 COUNTERBORE. CH'D WELD AT -3 & -7. ALL CHANGES PER S.E., G.E.	1/13/11	RJC
3	CH'D -17 DIMENSION BETWEEN HOLES FROM 1.440 PER S.E.	12/13/11	SE



-17
HEAD

RED BARN MACHINE	
TITLE REACTION. CLUTCH IN RACE REMOVAL	
DWG NO. RBW6305G03031-3G-17	REV 5
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TOLERANCES ON:	
DECIMALS	FRACTIONS ± 1/32
.XXX ± .005	ANGLES ± .5°
.XX ± .01	
.X ± .1	
UNLESS OTHERWISE SPECIFIED 1. BREAK ALL SHARP EDGES .015 x 45° PR. 015 R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
SCALE 1:1	DATE 3-30-10
SHEET 10 of 10	